

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20060005769"	US-PGPUB; USPAT	OR	ON	2007/12/18 14:05
S2	3	"5234526".pn. "5466991".pn. "20030173030"	US-PGPUB; USPAT	OR	ON	2007/06/06 19:24
S3	29	("4101411"   "4298419"   "4330384"   "4430138"   "4462863"   "4483737"   "4565601"   "4599100"   "4615761"   "4713585"   "4727293"   "4745337"   "4778561"   "4876983"   "4877509"   "5032202"   "5038712"   "5079033"   "5111111"   "5306985").PN. OR ("5466991").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/06 19:25
S4	1	"20050139322"	US-PGPUB; USPAT	OR	ON	2007/06/07 09:31
S5	1049	118/723mw.CCLS. 156/345.36,345.41,345.42,345.46,345.49.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/07 09:38
S6	820	S5 and @ad<"20020814"	US-PGPUB; USPAT	OR	ON	2007/06/07 10:07
S7	96	S6 and (antenna\$2 and ((window dielectric) near7 (shape \$2 thick\$4)))	US-PGPUB; USPAT	OR	ON	2007/06/07 18:19
S8	11	S6 and (antenna\$2 and ((window dielectric) near7 ((non adj planar) or curve\$2 or (nonadj linear))))	US-PGPUB; USPAT	OR	ON	2007/06/07 10:08
S9	2206	118/723E	US-PGPUB; USPAT	OR	ON	2007/06/07 10:05
S10	2592	118/723E,723I.ccls. 156/345.48,345.43.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/07 10:34
S11	1906	S10 and @ad<"20020814"	US-PGPUB; USPAT	OR	ON	2007/06/07 10:15

S12	31	S11 and (antenna\$2 and ((window dielectric) near7 ((non adj planar) or curve\$2 or (nonadj linear))))	US-PGPUB; USPAT	OR	ON	2007/06/07 10:15
S13	289	plasma and (antenna\$2 and ((window dielectric) near7 ((non adj planar) or curve\$2 or (nonadj linear))))	US-PGPUB; USPAT	OR	ON	2007/06/07 10:29
S14	163	S13 and @ad<"20020814"	US-PGPUB; USPAT	OR	ON	2007/06/07 10:34
S15	132	S14 not S12	US-PGPUB; USPAT	OR	ON	2007/06/07 10:15
S16	125	S15 not S8	US-PGPUB; USPAT	OR	ON	2007/06/07 10:15
S17	5	plasma and (antenna\$2 and ((window dielectric) near7 ((non adj planar) or curve\$2 or (nonadj linear))))	EPO; JPO; DERWENT	OR	ON	2007/06/07 10:30
S18	29	plasma and (antenna\$2 and ((window dielectric) near5 shape\$2))	EPO; JPO; DERWENT	OR	ON	2007/06/07 10:33
S19	690	plasma and (antenna\$2 and ((window dielectric) near5 shape\$2))	US-PGPUB; USPAT	OR	ON	2007/06/07 10:33
S20	137	S10 and S19	US-PGPUB; USPAT	OR	ON	2007/06/07 10:34
S21	109	S20 and @ad<"20020814"	US-PGPUB; USPAT	OR	ON	2007/06/07 10:34
S22	109	S21 not S16	US-PGPUB; USPAT	OR	ON	2007/06/07 10:34
S23	89	S22 not S7	US-PGPUB; USPAT	OR	ON	2007/06/07 13:48
S24	1	"20020011215"	US-PGPUB; USPAT	OR	ON	2007/06/07 13:48
S25	10	(US-20060005769-\$ or US-20020011215-\$ or US-20020038692-\$ or US-20020047544-\$).did. or (US-5038712-\$ or US-5306985-\$ or US-4877509-\$ or US-6712927-\$ or US-6790311-\$).did. or (JP-2000286240-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/06/07 13:52
S26	1	S25 and (((window dielectric) near6 thick\$4) with (wavelength lambda))	US-PGPUB; USPAT	OR	ON	2007/06/07 14:06

S27	13	S6 and (((window dielectric) near6 thick\$4) with (wavelength lambda))	US-PGPUB; USPAT	OR	ON	2007/06/07 14:10
S28	1	S11 and (((window dielectric) near6 thick\$4) with (wavelength lambda))	US-PGPUB; USPAT	OR	ON	2007/06/07 14:11
S29	2	"5466991".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 15:24
S30	29	("4101411"   "4298419"   "4330384"   "4430138"   "4462863"   "4483737"   "4565601"   "4599100"   "4615761"   "4713585"   "4727293"   "4745337"   "4778561"   "4876983"   "4877509"   "5032202"   "5038712"   "5079033"   "5111111"   "5306985").PN. OR ("5466991").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/07 16:27
S31	16	(ino near2 kazuhide).in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/07 18:18
S32	110	(kiyo taka near2 ishibashi).in. (toshihisa near2 nozawa).in.	US-PGPUB; USPAT	OR	ON	2007/06/07 18:19
S33	6	S32 and (antenna\$2 and (window dielectric)).clm.	US-PGPUB; USPAT	OR	ON	2007/06/09 11:52
S34	3698	(tokyo near2 electron).as.	US-PGPUB; USPAT	OR	ON	2007/06/07 18:25
S35	106	S34 and (antenna\$2 and (window dielectric)).clm.	US-PGPUB; USPAT	OR	ON	2007/06/07 18:26
S36	904	118/723MW.ccls. 156/345.36,345.41,345.42,45.46,345.49. ccls.	US-PGPUB; USPAT	OR	ON	2007/06/08 14:52
S37	707	S36 and @ad- "20020820"	US-PGPUB; USPAT	OR	ON	2007/06/08 15:02
S38	0	S37 and ((microwave\$2 near6 (branch\$3 divid\$3 divert\$2 split\$3)) same (phase same wavelength))	US-PGPUB; USPAT	OR	ON	2007/06/08 14:55
S39	5	S37 and ((branch\$3 divid\$3 divert\$2 split\$3) same (phase same wavelength))	US-PGPUB; USPAT	OR	ON	2007/06/08 15:01

S40	2143	(microwave\$2 electromagnetic) and ((branch\$3 divid\$3 divert\$2 split\$3) same (phase same wavelength))	US-PGPUB; USPAT	OR	ON	2007/06/08 15:21
S41	14	S40 and (156/345.\$2.ccls. 118/715-733.ccls.)	US-PGPUB; USPAT	OR	ON	2007/06/08 15:02
S42	10	S41 and @ad<"20020820"	US-PGPUB; USPAT	OR	ON	2007/06/08 15:21
S43	370	(microwave\$2 electromagnetic) and ((branch\$3 divid\$3 divert\$2 split\$3) same (phase same wavelength) same (window dielectric plate))	US-PGPUB; USPAT	OR	ON	2007/06/08 15:33
S44	256	S43 and @ad<"20020820"	US-PGPUB; USPAT	OR	ON	2007/06/08 15:35
S45	36	S44 and plasma	US-PGPUB; USPAT	OR	ON	2007/06/08 15:22
S46	41	S44 and (plasma discharge)	US-PGPUB; USPAT	OR	ON	2007/06/08 15:22
S47	874	(plasma discharge) and (microwave\$2 electromagnetic) and ((phase same wavelength) same (window dielectric plate))	US-PGPUB; USPAT	OR	ON	2007/06/08 15:57
S48	492	S47 and @ad<"20020820"	US-PGPUB; USPAT	OR	ON	2007/06/08 15:58
S49	451	S48 not S46	US-PGPUB; USPAT	OR	ON	2007/06/08 15:36
S50	112	S49 and antenna\$2	US-PGPUB; USPAT	OR	ON	2007/06/08 15:36
S51	272	(plasma discharge) and (microwave\$2 electromagnetic) and ((phase near2 (delay\$2 shift\$3 change\$3)) same wavelength same (window dielectric plate))	US-PGPUB; USPAT	OR	ON	2007/06/08 17:02
S52	44	S51 and @ad<"20020820" and antenna\$2	US-PGPUB; USPAT	OR	ON	2007/06/08 18:06
S53	4	S52 not S50	US-PGPUB; USPAT	OR	ON	2007/06/08 15:59
S54	2	(plasma discharge) and (microwave\$2 electromagnetic) and ((phase near2 (delay\$2 shift\$3 change\$3)) same wavelength same (window dielectric plate))	EPO; JPO; DERWENT	OR	ON	2007/06/08 17:03

S55	280	((plasma discharge) and ((microwave\$2 electromagnetic) and ((phase near2 (adjust\$4 delay\$2 shift\$3 change\$3)) same wavelength same (window dielectric plate)))	US-PGPUB; USPAT	OR	ON	2007/06/08 17:04
S56	8	S55 not S51	US-PGPUB; USPAT	OR	ON	2007/06/08 18:04
S57	163	plasma and ((microwave\$2 near5 absorb\$5) with (window dielectric plate insulat\$3))	US-PGPUB; USPAT	OR	ON	2007/06/08 18:05
S58	42	S57 and @ad<"20020820" and antenna\$2	US-PGPUB; USPAT	OR	ON	2007/06/08 19:49
S59	6	((discharge near4 prevent\$4) with ((window dielectric plate insulat\$4) with wavelength))	US-PGPUB; USPAT	OR	ON	2007/06/08 19:14
S60	16	((discharge near4 prevent\$4) same ((window dielectric plate insulat\$4) with wavelength))	US-PGPUB; USPAT	OR	ON	2007/06/08 19:18
S61	11	S60 and @ad<"20020820"	US-PGPUB; USPAT	OR	ON	2007/06/08 19:16
S62	1	"20050139322"	US-PGPUB; USPAT	OR	ON	2007/06/08 19:16
S63	16	S37 and (((discharge same ((window dielectric plate insulat\$4) with wavelength)))	US-PGPUB; USPAT	OR	ON	2007/06/08 19:27
S64	79	S37 and (((discharge and ((window dielectric plate insulat\$4) with wavelength)))	US-PGPUB; USPAT	OR	ON	2007/06/08 19:43
S65	31	S37 and (((side edge peripher\$3) with ((window dielectric plate insulat\$4) same wavelength)))	US-PGPUB; USPAT	OR	ON	2007/06/08 19:44
S66	31	S37 and (((side\$2 edge\$2 peripher\$3) with ((window dielectric plate insulat\$4) same wavelength)))	US-PGPUB; USPAT	OR	ON	2007/06/08 19:47
S67	9	((microwave\$2 and plasma) and (((side\$2 edge\$2 peripher\$3) near5 ((window dielectric plate insulat\$4) with wavelength)))	US-PGPUB; USPAT	OR	ON	2007/06/08 19:49
S68	48	((microwave\$2 and plasma) and (((side\$2 edge\$2 peripher\$3) near5 ((window dielectric plate insulat\$4) same wavelength)))	US-PGPUB; USPAT	OR	ON	2007/06/08 19:51
S69	29	S68 and @ad<"20020820"	US-PGPUB; USPAT	OR	ON	2007/06/08 19:50

S70	2	(microwave\$2 and plasma) and (((side\$2 edge\$2 peripher\$3) near5 ((window dielectric plate insulat\$4) same wavelength)))	EPO; JPO; DERWENT	OR	ON	2007/06/09 08:44
S71	1073	(side\$2 edge\$2 peripher\$3) near5 ((window dielectric plate insulat\$4) same wavelength)	US-PGPUB; USPAT	OR	ON	2007/06/08 19:54
S72	2	S71 and S37	US-PGPUB; USPAT	OR	ON	2007/06/08 19:54
S73	1049	118/723mw.CCLS. 156/345.36,345.41,345.42,345.46,345.49.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/09 08:45
S74	820	S73 and @ad< "20020814"	US-PGPUB; USPAT	OR	ON	2007/06/09 10:11
S75	318	S74 and ((side\$2 edge\$2 peripher\$3) near5 (window dielectric plate insulat\$4))	US-PGPUB; USPAT	OR	ON	2007/06/09 08:46
S76	131	S75 and wavelength	US-PGPUB; USPAT	OR	ON	2007/06/09 08:46
S77	29	S74 and (((side\$2 edge\$2 peripher\$3) near5 (window dielectric plate insulat\$4)) same wavelength)	US-PGPUB; USPAT	OR	ON	2007/06/09 08:50
S78	58	S74 and (((side\$2 edge\$2 peripher\$3) near5 (window dielectric plate insulat\$4)) same discharge)	US-PGPUB; USPAT	OR	ON	2007/06/09 09:12
S79	171	S74 and ((window or dielectric or (plate near insulat\$4 transmi\$6)) near4 (side\$2 edge\$2 peripher\$3))	US-PGPUB; USPAT	OR	ON	2007/06/09 10:12
S80	135	S79 not S78	US-PGPUB; USPAT	OR	ON	2007/06/09 09:15
S81	96	("3873884"   "4123316"   "4368092"   "4382100"   "4464223"   "4572759"   "4579618"   "4585516"   "4585668"   "4617079"   "4622094"   "4755345"   "4788473"   "4792732"   "4810935"   "4824546"   "4828369"   "4829215"   "4842683"   "4849675"   "4859908"   "4863549"   "4877999"   "4889588"   "4906898"   "4908492"   "4918031"   "4948458"   "4950377"   "4950956"   "4990229"   "5022979"   "5028847"   "5064522"   "5110438").PN. OR ("5707486").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/09 10:11

S82	81	S81 and @ad<"20020814"	US-PGPUB; USPAT	OR	ON	2007/06/09 10:15
S83	8	S82 and (((window or dielectric or (plate near insulat\$4 transmi\$6)) near4 (side\$2 edge\$2 peripher\$3)))	US-PGPUB; USPAT	OR	ON	2007/06/09 10:15
S84	4	("5645644"   "5874706").PN. OR ("6091045").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/09 10:13
S85	40	("4948458"   "4990229"   "5021114"   "5032205"   "5091049"   "5122251"   "5226967"   "5401350"   "5421891"   "5429070"   "5540800"   "5587038"   "5587205"   "5669975"   "5810932"   "5811022"   "6030486"   "6096160"   "6189484").PN. OR ("6341574"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/09 10:15
S86	27	S85 and @ad<"20020814"	US-PGPUB; USPAT	OR	ON	2007/06/09 10:15
S87	4	S86 and (((window or dielectric or (plate near insulat\$4 transmi\$6)) with wavelength)	US-PGPUB; USPAT	OR	ON	2007/06/09 10:17
S88	110	(kiyo taka near2 ishibashi).in. (toshihisa near2 nozawa).in.	US-PGPUB; USPAT	OR	ON	2007/06/09 11:52
S89	7	S88 and (antenna\$2 and (window dielectric insulat\$3 transmi\$5)).dm.	US-PGPUB; USPAT	OR	ON	2007/06/09 11:56
S90	3698	(tokyo near2 electron).as.	US-PGPUB; USPAT	OR	ON	2007/06/09 11:57
S91	156	S90 and (antenna\$2 and (window dielectric insulat\$3 transmi\$5)).dm.	US-PGPUB; USPAT	OR	ON	2007/06/09 11:57
S92	135	(masahiro near2 kadoya).in. (watanabe near2 seichi).in.	US-PGPUB; USPAT	OR	ON	2007/12/18 14:05
S93	5	("5466991"   "5646489").PN. OR ("5886473").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/18 14:11
S94	615	118/723MW.ccls. 156/345.41.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/18 16:45
S95	448	S94 and @ad<"20020814"	US-PGPUB; USPAT	OR	ON	2007/12/18 16:45
S96	13	S95 and (((window dielectric) with thick\$4) same (chamber near4 (wall\$2 side\$2 sidewall\$2)))	US-PGPUB; USPAT	OR	ON	2007/12/18 16:11

S97	106	S95 and (((window dielectric) with (chamber near4 (wall\$2 side\$2 sidewall\$2)))	US-PGPUB; USPAT	OR	ON	2007/12/18 16:30
S98	15674	118/715-733MW.ccls. 156/345.\$2.ccls. and @ad<"20020814"	US-PGPUB; USPAT	OR	ON	2007/12/18 16:30
S99	311	S98 and (((window dielectric) with (chamber near4 (wall\$2 side\$2 sidewall\$2))) and ((window dielectric) near6 thick \$4))	US-PGPUB; USPAT	OR	ON	2007/12/18 16:33
S100	260	S98 and (((window dielectric) near7 (chamber near4 (wall \$2 side\$2 sidewall\$2))) and ((window dielectric) near6 thick \$4))	US-PGPUB; USPAT	OR	ON	2007/12/18 16:31
S101	275	S99 not S97	US-PGPUB; USPAT	OR	ON	2007/12/18 16:32
S102	47	S101 and (microwave\$2 and waveguide)	US-PGPUB; USPAT	OR	ON	2007/12/18 16:42
S103	764	(((microwave\$2 with plasma) and waveguide) and ((window dielectric) with (wall\$2 sidewall\$2)))	US-PGPUB; USPAT	OR	ON	2007/12/18 16:51
S104	488	S103 and @ad<"20020814"	US-PGPUB; USPAT	OR	ON	2007/12/18 16:47
S105	111	S104 and (118/723MW.ccls. 156/345.41.ccls.)	US-PGPUB; USPAT	OR	ON	2007/12/18 16:51
S106	45	(((microwaves\$2 with plasma) and waveguide) and ((window dielectric) with (wall\$2 sidewall\$2) with thick\$4))	US-PGPUB; USPAT	OR	ON	2007/12/18 16:50
S107	30	S106 and @ad<"20020814"	US-PGPUB; USPAT	OR	ON	2007/12/18 16:51
S108	696	(((microwave\$2 with plasma) and waveguide) and ((window dielectric) with (side\$2 sidewall\$2)))	US-PGPUB; USPAT	OR	ON	2007/12/18 16:51
S109	448	S108 and @ad<"20020814"	US-PGPUB; USPAT	OR	ON	2007/12/18 16:51
S110	116	S109 and (118/723MW.ccls. 156/345.41.ccls.)	US-PGPUB; USPAT	OR	ON	2007/12/18 17:13
S111	1	"5466991".pn.	US-PGPUB; USPAT	OR	ON	2007/12/18 17:34



S112	13	(kazumi near2 hideyuki).in. and microwave\$2 and plasma	US-PGPUB; USPAT	OR	ON	2007/12/18 17:55
S113	3259	118/724,725.ccls. 156/345.52.ccls.	US-PGPUB; USPAT	OR	ON	2007/12/18 17:55
S114	3259	S113 and 2ad<"20050825"	US-PGPUB; USPAT	OR	ON	2007/12/18 17:55
S115	2847	S113 and @ad<"20050825"	US-PGPUB; USPAT	OR	ON	2007/12/18 17:55
S116	49	(US-20030168012-\$ or US-20010025607-\$ or US-20020011215-\$ or US-20020002948-\$ or US-20060005769-\$ or US-20020038692-\$ or US-20020047544-\$ or US-20040149741-\$ or US-20050172901-\$ or US-20020076367-\$ or US-20020036187-\$ or US-20010021550-\$ or US-20020168814-\$).did. or (US-5886473-\$ or US-5580420-\$ or US-5646489-\$ or US-5276386-\$ or US-5433789-\$ or US-5466991-\$ or US-6830652-\$ or US-6623595-\$ or US-6091045-\$ or US-6033481-\$ or US-6712927-\$ or US-5874706-\$ or US-6444087-\$ or US-5038712-\$ or US-6074512-\$ or US-6132550-\$ or US-5364519-\$ or US-RE36224-\$ or US-6675737-\$ or US-6372084-\$ or US-5306985-\$ or US-5111111-\$ or US-4877509-\$ or US-6341574-\$ or US-5024716-\$ or US-6790311-\$).did. or (US-4952273-\$ or US-6868800-\$ or US-6953908-\$ or US-6161501-\$ or US-6432730-\$ or US-5589845-\$ or US-5472935-\$ or US-5707486-\$).did. or (JP-2002217185-\$).did. or (JP-2000286240-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/19 10:32
S117	7	S116 and ((antenna with (window dielectric)) with (gap clearance interval distance))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/12/19 10:33
S118	1	"20070113788"	US-PGPUB; USPAT	OR	ON	2007/12/19 12:50
S119	1733	("204"/\$ "216"/\$ "315"/\$ "427"/\$ "438"/\$).ccls. and ((window dielectric) near7 (protru\$4 project\$4))	US-PGPUB; USPAT	OR	ON	2008/02/11 13:50
S120	75	S119 and ((antenna\$2 waveguide) and microwave\$2)	US-PGPUB; USPAT	OR	ON	2008/02/11 13:51

S121	53	S120 and @ad<"20020814"	US-PGPUB; USPAT	OR	ON	2008/02/11 13:51
S122	164	("204"/\$ "216"/\$ "315"/\$ "427"/\$ "438"/\$).cols. and ((window dielectric) near7 (protru\$4 project\$4)) and microwave\$2	US-PGPUB; USPAT	OR	ON	2008/02/11 14:06
S123	118	S122 and @ad<"20020814"	US-PGPUB; USPAT	OR	ON	2008/02/11 14:07
S124	65	S123 not S121	US-PGPUB; USPAT	OR	ON	2008/02/11 14:07
S125	1	"20060005769"	US-PGPUB; USPAT	OR	ON	2008/02/11 16:27
S126	1	"20050172901"	US-PGPUB; USPAT	OR	ON	2008/02/11 16:47
S147	181	((slot\$4 slit\$3 opening\$2) near4 antenna) near8 (window dielectric) near8 (above over top upper))	US-PGPUB; USPAT	OR	ON	2008/06/08 14:35
S148	84	S147 and @ad<"20020814"	US-PGPUB; USPAT	OR	ON	2008/06/08 14:35
S149	2	microwave\$2 and plasma and (((slot\$4 slit\$3 opening\$2) near4 antenna) near8 (window dielectric) near8 (above over top upper))	EPO; JPO; DERWENT	OR	ON	2008/06/08 16:00
S150	58	microwave\$2 and plasma and (((slot\$4 slit\$3 opening\$2) near4 antenna) near8 (window dielectric))	EPO; JPO; DERWENT	OR	ON	2008/06/08 16:03
S151	28	S150 and @ad<"20020814"	EPO; JPO; DERWENT	OR	ON	2008/06/08 16:04
S152	41867	(watanabe near2 seiichi).in. masahiro.in. hitoshi.in.	US-PGPUB; USPAT	OR	ON	2008/06/08 16:17
S153	14	(watanabe near2 seiichi).in. and masahiro.in. and hitoshi. in.	US-PGPUB; USPAT	OR	ON	2008/06/08 16:17
S154	2	"11260594"	EPO; JPO; DERWENT	OR	ON	2008/06/08 16:20
S155	1	"5234526".pn.	US-PGPUB; USPAT	OR	ON	2008/06/08 16:26

S156	1	"20070218687"	US-PGPUB; USPAT	OR	ON	2008/06/08 21:15
S157	1278	118/723MW,723ME,723MR,723AN,723MA.cds. 156/345.36,345.41,345.42.cds.	US-PGPUB; USPAT	OR	OFF	2008/12/16 14:11
S158	974	S157 and @ad<"20020814"	US-PGPUB; USPAT	OR	OFF	2008/12/16 14:11
S159	246	S158 and ((window dielectric transmi\$6) near8 (curved thickn\$4 recess\$3 cross-section cavity))	US-PGPUB; USPAT	OR	OFF	2008/12/16 14:13
S160	254	S158 and ((window dielectric transmi\$6) near8 (curved thick\$4 recess\$3 cross-section cavity))	US-PGPUB; USPAT	OR	OFF	2008/12/16 14:13
S161	22	S158 and ((window dielectric transmi\$6) near8 (thick\$4 dimension) near8 (wavelength lambda))	US-PGPUB; USPAT	OR	OFF	2008/12/16 15:46
S162	68	(plasma with uniform\$3) and microwave\$2 and ((window dielectric transmi\$6) near8 (thick\$4 dimension) near8 (wavelength lambda))	US-PGPUB; USPAT	OR	OFF	2008/12/16 16:04
S163	31	S162 and @ad<"20020814"	US-PGPUB; USPAT	OR	OFF	2008/12/16 16:04
S164	12	S163 not S161	US-PGPUB; USPAT	OR	OFF	2008/12/16 16:05
S165	257	plasma and microwave\$2 and ((window dielectric transmi\$6) near8 (curved thickn\$4 recess\$3 cross-section cavity))	EPO; JPO; DERWENT	OR	OFF	2008/12/16 16:17
S166	205	S165 and @ad<"20020814"	EPO; JPO; DERWENT	OR	OFF	2008/12/16 16:18
S167	5	plasma and microwave\$2 and ((window dielectric transmi\$6) near8 (wall\$2 near4 thick\$5))	EPO; JPO; DERWENT	OR	OFF	2008/12/16 17:28
S168	96	plasma and microwave\$2 and ((window dielectric transmi\$6) near8 (wall\$2 near4 thick\$5))	US-PGPUB; USPAT	OR	OFF	2008/12/16 17:29
S169	50	S168 and @ad<"20020814"	US-PGPUB; USPAT	OR	OFF	2008/12/16 17:29
S170	1	"6091045".pn.	US-PGPUB; USPAT	OR	OFF	2008/12/16 17:46
S171	256	S158 and (antenna\$2 and (dielectric window transmi\$4) and uniform\$3)	US-PGPUB; USPAT	OR	OFF	2008/12/16 17:48

S172	185	S158 and (antenna\$2 and microwave\$2 and ((dielectric window transmi\$4) and uniform\$3))	US-PGPUB; USPAT	OR	OFF	2008/12/16 17:49
S173	52	S158 and (antenna\$2 and microwave\$2 and ((dielectric window transmi\$4) near6 (thick\$5 dimension)) and uniform\$3)	US-PGPUB; USPAT	OR	OFF	2008/12/16 17:50
S174	57	S158 and (antenna\$2 and microwave\$2 and ((dielectric window transmi\$4) near6 (dome shape\$3)) and uniform\$3)	US-PGPUB; USPAT	OR	OFF	2008/12/16 18:45
S175	163	microwave\$2 and antenna\$2 and (((dielectric window transmi\$4) near6 (dome bell\$5)) and uniform\$3)	US-PGPUB; USPAT	OR	OFF	2008/12/16 18:53
S176	100	S175 and @ad<"20020814"	US-PGPUB; USPAT	OR	OFF	2008/12/16 18:53
S177	1	"20020020498"	US-PGPUB; USPAT	OR	OFF	2008/12/17 09:32
S178	63	(US-20030168012-\$ or US-20040149741-\$ or US-20020002948-\$ or US-20020011215-\$ or US-20010021550-\$ or US-20010025607-\$ or US-20020036187-\$ or US-20020038692-\$ or US-20020047544-\$ or US-20020076367-\$ or US-20020168814-\$ or US-20050172901-\$ or US-20060005769-\$ or US-20010050059-\$ or US-20020020498-\$).did. or (US-5038712-\$ or US-5111111-\$ or US-5276386-\$ or US-5306985-\$ or US-5364519-\$ or US-5433789-\$ or US-5466991-\$ or US-5472935-\$ or US-5580420-\$ or US-5589845-\$ or US-5646489-\$ or US-5707486-\$ or US-5874706-\$ or US-5886473-\$ or US-RE36224-\$ or US-6033481-\$ or US-6091045-\$ or US-6132550-\$ or US-6161501-\$ or US-6341574-\$ or US-6372084-\$ or US-6432730-\$ or US-6444087-\$ or US-6623595-\$ or US-6675737-\$ or US-6712927-\$).did. or (US-6790311-\$ or US-6830652-\$ or US-4877509-\$ or US-4952273-\$ or US-5024716-\$ or US-6868800-\$ or US-6953908-\$ or US-6074512-\$ or US-5698036-\$ or US-6059922-\$ or US-5234526-\$ or US-4985109-\$ or US-7395779-\$).did. or (EP-1879213-\$).did. or (JP-2002217185-\$ or JP-2001338918-\$ or JP-11260594-\$ or JP-2000348898-\$ or JP-04289171-\$ or JP-2002237462-\$).did. or (JP-2000286240-\$ or US-5142198-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/12/17 09:50

S179	9	S178 and (antenna near8 (gap distance space interval) near8 (window transmi\$5 dielectric))	US-PGPUB; USPAT	OR	OFF	2008/12/17 09:52
S180	1150	118/723mw.CCL.S. 156/345.36,345.41,345.42,345.46,345.49.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/17 09:59
S181	829	S180 and @ad<"20020814"	US-PGPUB; USPAT	OR	ON	2008/12/17 09:59
S182	34	S181 and (antenna near8 (gap distance space interval) near8 (window transmi\$5 dielectric))	US-PGPUB; USPAT	OR	OFF	2008/12/17 09:59
S183	29	S182 not S179	US-PGPUB; USPAT	OR	OFF	2008/12/17 10:00
S184	1	"20070051471"	US-PGPUB; USPAT	OR	OFF	2008/12/17 13:51
S185	1	"6795292".pn.	US-PGPUB; USPAT	OR	OFF	2009/04/20 14:41
S186	1	"2000331998"	JPO	OR	OFF	2009/07/05 10:10
S187	1	"5234526".pn.	US-PGPUB; USPAT	OR	OFF	2009/07/05 10:29
S188	1	"7273533".pn.	US-PGPUB; USPAT	OR	OFF	2009/07/05 12:04
S189	1	"2000331998"	JPO	OR	OFF	2010/03/27 07:31
S190	1	"2000331998"	JPO	OR	OFF	2010/03/27 08:28

S191	65	(US-20030168012-\$ or US-20040149741-\$ or US-20020002948-\$ or US-20020011215-\$ or US-20010021550-\$ or US-20010025607-\$ or US-20020036187-\$ or US-20020038692-\$ or US-20020047544-\$ or US-20020076367-\$ or US-20020168814-\$ or US-20050172901-\$ or US-20060005769-\$ or US-20010050059-\$ or US-20020020498-\$).did. or (US-5038712-\$ or US-5111111-\$ or US-5276386-\$ or US-5306985-\$ or US-5364519-\$ or US-5433789-\$ or US-5466991-\$ or US-5472935-\$ or US-5580420-\$ or US-5589845-\$ or US-5646489-\$ or US-5707486-\$ or US-5874706-\$ or US-5886473-\$ or US-RE36224-\$ or US-6033481-\$ or US-6091045-\$ or US-6132550-\$ or US-6161501-\$ or US-6341574-\$ or US-6372084-\$ or US-6432730-\$ or US-6444087-\$ or US-6623595-\$ or US-6675737-\$ or US-6712927-\$).did. or (US-6790311-\$ or US-6830652-\$ or US-4877509-\$ or US-4952273-\$ or US-5024716-\$ or US-6868800-\$ or US-6953908-\$ or US-6074512-\$ or US-5698036-\$ or US-6059922-\$ or US-5234526-\$ or US-4985109-\$ or US-7395779-\$ or US-6357385-\$).did. or (EP-1879213-\$).did. or (JP-2002217185-\$ or JP-2001338918-\$ or JP-11260594-\$ or JP-2000348898-\$ or JP-04289171-\$ or JP-2002237462-\$ or JP-2000331998-\$).did. or (JP-2000286240-\$ or US-5142198-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/03/27 08:28
S192	7	S191 and ((thick\$4 same (interference density uniform\$4)) same wavelength)	US-PGPUB; USPAT	OR	OFF	2010/03/27 08:30
S193	1244	plasma and microwave\$2 and ((window dielectric insulat\$4 transmi\$4 top) and (thick\$4 interference (standing adj wave) density uniform\$4))	EPO; JPO; DERWENT	OR	OFF	2010/03/27 08:40
S194	485	plasma and microwave\$2 and ((window dielectric) same (thick\$4 interference (standing adj wave) density uniform \$4))	EPO; JPO; DERWENT	OR	OFF	2010/03/27 08:42
S195	425	S194 and @ad<"20020814"	EPO; JPO; DERWENT	OR	OFF	2010/03/27 08:43
S196	78	plasma and microwave\$2 and (((window dielectric) same (thick\$4 dimension\$2 size\$2)) and (interference (standing adj wave) density uniform\$4))	EPO; JPO; DERWENT	OR	OFF	2010/03/27 08:50

S197	73	S196 and @ad<"20020814"	EPO; JPO; DERWENT	OR	OFF	2010/03/27 08:50
S198	356	S195 not S197	EPO; JPO; DERWENT	OR	OFF	2010/03/27 09:41
S199	68	plasma and microwave\$2 and ((window dielectric) with thick \$4)	EPO; JPO; DERWENT	OR	OFF	2010/03/27 10:05
S200	99	plasma and microwave\$2 and ((window dielectric) with (thick \$4 dimension\$2 size\$2))	EPO; JPO; DERWENT	OR	OFF	2010/03/27 10:06
S201	91	S200 and @ad<"20020814"	EPO; JPO; DERWENT	OR	OFF	2010/03/27 10:06
S202	47	S201 not S197	EPO; JPO; DERWENT	OR	OFF	2010/03/27 10:06
S203	735	118/723MW.ccls. 156/345.41.ccls.	US-PGPUB; USPAT	OR	OFF	2010/03/27 14:34
S204	452	S203 and @ad<"20020814"	US-PGPUB; USPAT	OR	OFF	2010/03/27 14:34
S205	194	S204 and ((slot\$4 slit\$4 aperture\$2 hole\$2 opening\$2) near6 (plate\$3 anten\$4 member))	US-PGPUB; USPAT	OR	OFF	2010/03/27 14:35
S206	258	S204 not S205	US-PGPUB; USPAT	OR	OFF	2010/03/27 15:11
S207	8546	(118/715-733 156/345.\$2).ccls.	US-PGPUB; USPAT	OR	OFF	2010/03/27 15:27
S208	20773	118/715-733.ccls. 156/345.\$2.ccls.	US-PGPUB; USPAT	OR	OFF	2010/03/27 15:27
S209	10704	S208 and @ad<"20020814"	US-PGPUB; USPAT	OR	OFF	2010/03/27 15:28
S210	3319	S209 and ((slot\$4 slit\$4 aperture\$2 hole\$2 opening\$2) near6 (plate\$3 anten\$4 member))	US-PGPUB; USPAT	OR	OFF	2010/03/27 15:28
S211	1116	S210 and (window or ((dielectric insulati\$4 transmi\$4) adj (plate member)))	US-PGPUB; USPAT	OR	OFF	2010/03/27 15:30
S212	395	S210 and ((window or ((dielectric insulati\$4 transmi\$4) adj (plate member))) with (side\$5 thick\$5))	US-PGPUB; USPAT	OR	OFF	2010/03/27 15:30

S213	395	S212 not S206	US-PGPUB; USPAT	OR	OFF	2010/03/27 15:31
S214	227	S209 and waveguide and ((window or ((dielectric insulati\$4 transmi\$4) adj (plate member))) with (side\$5 thick\$5))	US-PGPUB; USPAT	OR	OFF	2010/03/27 15:32
S215	134	(315/111.\$2.ccls. 219/121.43.678.ccls. 204/298.\$2.ccls.) and waveguide and ((window or ((dielectric insulati\$4 transmi\$4) adj (plate member))) with (side\$5 thick\$5))	US-PGPUB; USPAT	OR	OFF	2010/03/27 16:13
S216	104	S215 and @ad<"20020814"	US-PGPUB; USPAT	OR	OFF	2010/03/27 16:13
S217	59	S216 not S213	US-PGPUB; USPAT	OR	OFF	2010/03/27 16:14
S218	431	("216"/\$.ccls. "427"/\$.ccls. "438"/\$.ccls.) and waveguide and ((window or ((dielectric insulati\$4 transmi\$4) adj (plate member))) with (side\$5 thick\$5))	US-PGPUB; USPAT	OR	OFF	2010/03/27 16:17
S219	224	S218 and @ad<"20020814"	US-PGPUB; USPAT	OR	OFF	2010/03/27 16:18
S220	207	S219 not S206	US-PGPUB; USPAT	OR	OFF	2010/03/27 16:18
S221	190	S220 not S216	US-PGPUB; USPAT	OR	OFF	2010/03/27 16:18
S222	41	plasma and (microwave\$2 waveguide) and anten\$4 and ((window or ((dielectric insulati\$4 transmi\$4) adj (plate member))) with (side\$5 thick\$5))	EPO; JPO; DERWENT	OR	OFF	2010/03/27 16:27
S223	21	S222 and @ad<"20020814"	EPO; JPO; DERWENT	OR	OFF	2010/03/27 16:27
S224	331	plasma and (microwave\$2 waveguide) and ((window or ((dielectric insulati\$4 transmi\$4) adj (plate member))) with (side\$5 thick\$5))	EPO; JPO; DERWENT	OR	OFF	2010/03/27 16:31
S225	269	S224 and @ad<"20020814"	EPO; JPO; DERWENT	OR	OFF	2010/03/27 16:31
S226	485	plasma and microwave\$2 and ((window dielectric) same (thick\$4 interference (standing adj wave) density uniform \$4))	EPO; JPO; DERWENT	OR	OFF	2010/03/27 16:32



S227	425	S226 and @ad<"20020814"	EPO; JPO; DERWENT	OR	OFF	2010/03/27 16:32
S228	78	plasma and microwave\$2 and (((window dielectric) same (thick\$4 dimension\$2 size\$2)) and (intereference (standing adj wave) density uniform\$4))	EPO; JPO; DERWENT	OR	OFF	2010/03/27 16:32
S229	73	S228 and @ad<"20020814"	EPO; JPO; DERWENT	OR	OFF	2010/03/27 16:32
S230	356	S227 not S229	EPO; JPO; DERWENT	OR	OFF	2010/03/27 16:32
S231	202	S225 not S230	EPO; JPO; DERWENT	OR	OFF	2010/03/27 16:32
S232	1879	plasma and microwave\$2 and ((window or (dielectric insulati \$4 transmi\$4 top) near4 (plate member)))	EPO; JPO; DERWENT	OR	OFF	2010/03/27 16:54
S233	1571	S232 and @ad<"20020814"	EPO; JPO; DERWENT	OR	OFF	2010/03/27 16:55
S234	1215	S233 not S230	EPO; JPO; DERWENT	OR	OFF	2010/03/27 16:55
S235	484	S234 and (antenna waveguide)	EPO; JPO; DERWENT	OR	OFF	2010/03/27 16:56
S236	0	05-070922	JPO	OR	OFF	2010/03/27 17:59
S237	2	"2001226773"	JPO	OR	OFF	2010/03/27 18:00
S238	0	"6771483".pn.	JPO	OR	OFF	2010/03/27 18:02
S239	1	"6771483".pn.	US-PGPUB; USPAT	OR	OFF	2010/03/27 18:02
S240	0	"63126196"	JPO	OR	OFF	2010/03/31 12:44
S241	0	"08106994"	JPO	OR	OFF	2010/03/31 12:47
S242	0	"8106994"	JPO	OR	OFF	2010/03/31 12:48

243	1	((plasma and (coaxial adj waveguide) and ((anten\$4 plate near3 (slot\$3 slit\$2 aperture\$2)) and ((window or (dielectric top) adj (plate member)))) near6 (side\$3 sidewall \$4)).clm.	US-PGPUB; USPAT	OR	ON	2010/04/01 17:08
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